

IAP7 Rec'd PCT/PTO 10 JUL 2006

Date of Deposit July 10, 2006

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| FORM PTO-1390<br>(REV. 5-93)  |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                               | CASE NO. M&C-06-5615 |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |  | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><b>10/585549</b><br>TO BE ASSIGNED |                      |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB2005/000114  | INTERNATIONAL FILING DATE<br>17 JANUARY 2005 | PRIORITY DATE CLAIMED<br>17 JANUARY 2004   |                      |
| TITLE OF INVENTION<br>FLUID-CONTRACTOR  |  |  |                      |
| APPLICANT(S) FOR DO/EO/US<br>UNIVERSITY OF SHEFFIELD  |  |  |                      |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |  |                      |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>    a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>    b. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p>    c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>    a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>    b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>    c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>    d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)) and/or amendments under Article 34.</p> |  |  |                      |
| Items 11 to 20 Below concern other document(s) or information included:   |  |  |                      |
| <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information:</p> <p>    1 copy of English translation of International Search Report.</p>  |  |  |                      |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.53)<br><b>TO BE ASSIGNED</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/GB2005/000114 | CASE NO.<br>M&C-06-5615        |              |
| The following fees are submitted:   |              |  | CALCULATIONS                   | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic National Fee (37 CFR 1.492(a)) .....  |              |  | \$300                          |              |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) .....   |              |  |                                |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....  |              |  | \$0                            |              |
| All other situations .....  |              |  | \$200                          |              |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) .....  |              |  |                                |              |
| If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....   |              |  | \$0                            |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO as an International Searching Authority .....  |              |  | \$100-                         |              |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .....  |              |  | \$400                          |              |
| All other situations .....  |              |  | \$500                          |              |
| <b>Total of 21, 22 and 23 =</b>   |              |  | <b>\$600</b>                   |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |  |                                |              |
| Total Sheets  | Extra Sheets | Number of each additional 50                       | RATE                           |              |
| -100  | /50=         |  | x\$250                         |              |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |              |  |                                |              |
| Claims  | Number Filed | Number Extra                                       | Rate                           |              |
| Total Claims  | 19- 20 =     |  | x \$ 50                        |              |
| Independent Claims  | 2- 3 =       |  | x \$ 200                       |              |
| Multiple dependent claim(s) if Applicable)  | 0            |  | + \$360                        |              |
| TOTAL OF ABOVE CALCULATIONS =   |              |  | \$600                          |              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |                                |              |
| SUBTOTAL =  |              |  | \$600                          |              |
| Processing fee of \$130.00 for furnishing the English translation later than the <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  |              |  | \$                             |              |
| TOTAL NATIONAL FEE=   |              |  | \$600                          |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property +  |              |  |                                |              |
| TOTAL FEES ENCLOSED=  |              |  | \$600                          |              |
|   |              |  | Amount to be refunded          | \$           |
|   |              |  | charged                        | \$600        |
| a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed.  |              |  |                                |              |
| b. <input checked="" type="checkbox"/> Please charge Deposit Account No. 18-2284 in the amount of \$600 to cover the above fees. A duplicate copy of this sheet is enclosed.  |              |  |                                |              |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 18-2284. A duplicate copy of this sheet is enclosed.   |              |  |                                |              |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.   |              |  |                                |              |
| Send All Correspondence to:   |              |  |                                |              |
| Patent Group<br>Attn: J. Kenneth Joung<br>DLA Piper Rudnick Gray Cary LLP<br>203 N. LaSalle St., Suite 1900<br>Chicago, Illinois 60601  |              |  |                                |              |
|   |              |  | Signature<br>R. Blake Johnston |              |
|   |              |  | Name<br>41,097                 |              |
|   |              |  | Registration Number            |              |